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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

(currently amended): A ceramic honeycomb structure comprising a ceramic

honeycomb body comprising axial grooves on its-a periphery of said ceramic honeycomb body

and cell walls constituting a larger numberplurality of flow paths-inside said grooves, and a

peripheral wall layer covering said grooves, wherein there are voids as stress release portions at

least partially between said peripheral wall layer and said grooves, and wherein the number of

grooves having said voids is 7% or more of the total number of the grooves.

2-22. (canceled).

23. (withdrawn): A method for producing a ceramic honeycomb structure comprising

a ceramic honeycomb body comprising axial grooves on its periphery and cell walls constituting

a larger number of flow paths inside said grooves, and a peripheral wall layer covering said

grooves, comprising the steps of shaping a soft ceramic material by extrusion and drying it to

form a ceramic honeycomb green body, removing a peripheral wall from said ceramic

honeycomb green body to form a ceramic honeycomb body, and forming said peripheral wall

layer on said ceramic honeycomb body before or after firing said ceramic honeycomb body.

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24. (withdrawn): The method according to claim 23, wherein said green body is fired in a state where said ceramic honeycomb green body is placed on a table with its one opening

end abutting said table, and a portion of said green body adjacent to said table is then cut.

25. (withdrawn): The method according to claim 24, wherein said peripheral wall is

removed in a green body portion adjacent to said table according to a dimensional change

predicted by firing.

26. (withdrawn): The method according to claim 23 to 25, wherein said ceramic

honeycomb body is made of cordierite, and wherein said peripheral wall layer is formed by a

coating material comprising 100 parts by mass of amorphous silica particles and 2 to 35 parts by

mass (on a solid basis) of colloidal silica and/or colloidal alumina.

27. (canceled).

(previously presented): The ceramic honeycomb structure according to claim 1,

which further has stress release portions at least partially in said peripheral wall layer.

29. (previously presented): The ceramic honeycomb structure according to claim 28,

wherein said stress release portions are voids provided in said peripheral wall layer such that

they are open on a periphery thereof.

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30. (previously presented): The ceramic honeycomb structure according to claim 29, wherein the total length of said voids is equal to or larger than the full length of said ceramic honeycomb structure.

(previously presented): The ceramic honeycomb structure according to claim 29,
wherein voids provided in said peripheral wall layer are in the form of a slit.

(previously presented): The ceramic honeycomb structure according to claim 29,
wherein voids provided in said peripheral wall layer are cracks in said peripheral wall layer.

33-37. (canceled).

38. (currently amended): A ceramic honeycomb structure comprising a ceramic honeycomb body comprising axial grooves on its a periphery of said ceramic honeycomb body and cell walls constituting a larger numberplurality of flow paths inside said grooves, and a peripheral wall layer covering said grooves, wherein the a thermal expansion coefficient of said peripheral wall layer is smaller than those of said cell walls in a radial direction,

wherein said peripheral wall layer has a composition comprising 100 parts by mass of amorphous silica and 2 to 35 parts by mass of an amorphous oxide matrix, and wherein said amorphous silica has a thermal expansion coefficient of  $10.0 \times 10^{-7}$ /°C or less.

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(previously presented): The ceramic honeycomb structure according to claim 38,
comprising stress release portions at least partially between said peripheral wall layer and said

grooves.

40. (canceled).

41. (currently amended): The ceramic honeycomb structure according to claim 4039,

wherein the number of grooves having said-voids between said peripheral wall layer and said

grooves is 5%-7% or more of the total number of the grooves.

42. (currently amended): The ceramic honeycomb structure according to claim 4039,

wherein the total length of a contact portion of the grooves with the peripheral wall layer is 95%

or less based on the total length of the grooves.

43-45. (canceled).

46. (currently amended): The ceramic honeycomb structure according to claim 4538,

which further has stress release portions at least partially in said peripheral wall layer.

47. (previously presented): The ceramic honeycomb structure according to claim 1,

wherein said peripheral wall layer is formed before or after firing said ceramic honeycomb body.

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48. (previously presented): The ceramic honeycomb structure according to claim 47, wherein said ceramic honeycomb structure has an isostatic strength of 1.5 MPa or more.

 (previously presented): A particulates-capturing filter using a ceramic honeycomb structure according to claim 1.

50-51. (canceled).

52. (currently amended): A ceramic honeycomb structure comprising a ceramic honeycomb body comprising axial grooves on its a periphery of said ceramic honeycomb body and cell walls constituting a larger numberplurality of flow paths inside said grooves, and a peripheral wall layer covering said grooves, wherein said peripheral wall layer is made of a mixture comprising amorphous silica particles and an amorphous oxide matrix, and wherein said amorphous oxide matrix is formed from colloidal silica and/or colloidal alumina, and

wherein said peripheral wall layer has a composition comprising 100 parts by mass of amorphous silica and 2 to 35 parts by mass of an amorphous oxide matrix, and wherein said amorphous silica has a thermal expansion coefficient of  $10.0 \times 10^{-7}$ /°C or less.

53. (previously presented): A coating material for forming a peripheral wall layer of a ceramic honeycomb structure, comprising 100 parts by mass of amorphous silica and 2 to 35 parts by mass (on a solid basis) of colloidal silica and/or colloidal alumina, wherein said amorphous silica has a thermal expansion coefficient of  $10.0 \times 10^{-7}$ /°C or less, an average particle size of 1 to 100  $\mu$ m and an aspect ratio of 10 or less.

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 (new): A particulates-capturing filter using a ceramic honeycomb structure according to claim 38.

55. (new): A particulates-capturing filter using a ceramic honeycomb structure according to claim 52.